

Applicant: Kolacz et al.
Application No.: 09/516,076

Remarks

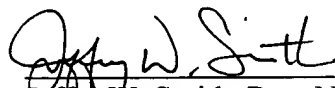
In the November 7, 2000 official action, claims 1 to 5, 8, 9, and 12 to 14 were rejected under 35 U.S.C. §§102 or 103. Applicants respectfully disagree with these rejections and the interpretation of the prior art. Nonetheless, to expedite issuance of a patent with the allowable claims, Applicants have canceled the rejected claims and amended the objectionable claims to include all of the limitations of their respective independent and intervening base claims.

Submitted herewith is an information disclosure statement disclosing information received from the French Patent Office in a corresponding French patent application. Applicants submit that this case is allowable over information from the French application.

Conclusion

In view of the foregoing amendments and remarks, Applicants respectfully submit that this application is now in condition for allowance and request that this case be passed to issue.

Respectfully submitted,



Jeffrey W. Smith, Reg. No. 33455
Attorney for Applicant
LATHROP & CLARK LLP
740 Regent Street, Suite 400
P.O. Box 1507
Madison, Wisconsin 53701-1507
(608) 257-7766

A

A

CLAIMS

1. A pivoting fluid conduit joint comprising:
a socket;
a ball disposed in the socket for movement relative to the socket; and
a trunnion joining the ball and socket to permit relative pivoting movement
between the ball and socket about an axis defined by the trunnion.
2. The pivoting fluid conduit joint of claim 1, wherein the socket is
upstream from the ball.
3. The pivoting fluid conduit joint of claim 1, wherein the socket is
downstream from the ball.
4. The pivoting fluid conduit joint of claim 1, and further comprising a
second trunnion aligned coaxially with the first trunnion.
5. The pivoting fluid conduit of claim 1, and further comprising:
a one-way brake.
6. The pivoting fluid conduit of claim 5, wherein the trunnion is fixed to the
ball, and the one-way brake comprises:
a stepped sleeve operable to engage the trunnion;
a brake housing fixed to the socket and defining a cylindrical opening for receiving
the stepped sleeve, the brake housing and the stepped sleeve cooperate
to define a tapered slot having a wide end and a narrow end;
a cylinder disposed in the tapered slot; and
a spring disposed in the wide end of the tapered slot to urge the cylinder toward
the narrow end of the tapered slot.

7. The pivoting fluid conduit of claim 5, wherein the trunnion is fixed to the socket, and the one-way brake comprises:

a stepped sleeve operable to engage the trunnion;

a brake housing fixed to the ball and defining a cylindrical opening for receiving the

stepped sleeve, the brake housing and the stepped sleeve cooperate to

define a tapered slot having a wide end and a narrow end;

a cylinder disposed in the tapered slot; and

a spring disposed in the wide end of the tapered slot to urge the cylinder toward the narrow end of the tapered slot.

10 8. A pivoting fluid conduit joint defining a conduit, comprising:

a first socket,

a first ball disposed in the first socket and pivotably joined to the first socket along a first axis;

a second socket fixed to the first ball; and

15 a second ball disposed in the second socket and pivotably joined to the second
socket along a second axis oriented at a substantially right angle to the first
axis.

9. The pivoting fluid conduit joint of claim 8, and further comprising:

a brake for resisting pivoting movement of the first ball relative to the first socket.

[illegible]

Sub C2

10. The pivoting fluid conduit of claim 9, wherein the trunnion is fixed to the first ball, and the brake comprises:
 - a stepped sleeve operable to engage the trunnion;
 - a brake housing fixed to the socket and defining a cylindrical opening for receiving the stepped sleeve, the brake housing and the stepped sleeve cooperate to define a tapered slot having a wide end and a narrow end;
 - a cylinder disposed in the tapered slot; and
 - a spring disposed in the wide end of the tapered slot to urge the cylinder toward the narrow end of the tapered slot.
11. The pivoting fluid conduit of claim 9, wherein the trunnion is fixed to the first socket, and the brake comprises:
 - a stepped sleeve operable to engage the trunnion;
 - a brake housing fixed to the ball and defining a cylindrical opening for receiving the stepped sleeve, the brake housing and the stepped sleeve cooperate to define a tapered slot having a wide end and a narrow end;
 - a cylinder disposed in the tapered slot; and
 - a spring disposed in the wide end of the tapered slot to urge the cylinder toward the narrow end of the tapered slot.
12. A monitor having a pivoting inlet joint, the pivoting inlet joint comprising:
 - a socket;
 - a ball disposed in the socket for movement relative to the socket; and
 - a trunnion joining the ball and socket to permit relative pivoting movement between the ball and the socket about an axis defined by the trunnion.
13. The monitor of claim 12, wherein the trunnion axis is substantially horizontal.
14. The monitor of claim 12, wherein the monitor is a portable firefighting monitor.